Result No.

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Description

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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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HSDRTK12 G15457 S77556 HSDRTK6

X76505 M.musculus
G49238 Ntrkr3 Mous
AF329455 Cricetulu
S77585 Ptk-3L-radi
G11190 SHGC-10808
AC022301 Mus muscu
S77556 Ptk-3S-radi
X99025 H.sapiens
G15457 human STS
X99032 H.sapiens
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X99031 H.sapiens
G15477 Astus
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AF353182 Homo sapi
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ALIGNMENTS

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AB023050 AP0005111 AC004211 HSDRTK17 HSU48705 HSRPTK I68739 I68740 AR042425 AR054640

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I80845 Sequence 3 X74979 H.sapiens T Z29093 H.sapiens E L57508 Homo sapien

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AR1034160 Sequence AR103004 Sequence AR105288 Sequence BC008716 Homo sapi L20817 Homo sapien

HUMRTK BC008716 HUMCAK AR094160 AR103004 AR105288

AR094162 AR103006

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

BASE COUNT ORIGIN	FEATURES source	TITLE JOURNAL	AUTHORS	REFERENCE	ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION	DEFINITION	LOCUS	RESULT 1 168738	
/organism="unknown" 735 a 1234 c 1182 g 811 t	Location Qualifiers 1. 3962	Recombinant DNA encoding CCK 2, a receptor tyrosine kinase Patent: US 5677144-A 1 14-007-1997.	Ullrich, A. and Alves, F. HildegardElisabeth.	Unclassified. 1 (bases 1 to 3962)	Unknown.	Unknown.	•	I68738.1 GI:2830860	168738	nt US 5677144.	I68738 3962 bp DNA PAT		
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	2041	0 5	•	CCA 960	ACACCGCCCTGTGGGGCAGACAATGTATTTATCTGAGGCCGTGTACCTCAACGACT	Db 901	
1 GCGCCCCGCTTCTGCCCCCA	198	g 29	•	CCA 960	ACACCGCCCTGTGGGGCAGACAATGTATTTATCTGAGGCCGTGTACCTCAACGACTCC	Ωу 901	
G ~	1921	рb		CIT 900	TGAGTGTCTGTCTGCGGGTAGAGCTCTATGGCTGCCTCTGGAGGGATGGACTCCTGTCTT	Db 841	
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Qy 1501 Db 1501	ACTTCAGCAGCTTGGAGCTGGAGCCCAGAGGCCAGCAGCCGGTGGCCAAGGCCGI
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QY 1681	TGTTGGAAGAGGAGCTGACGGTTCACCTCTCTGTGCCCTGGGGACACTATCCT
168	GTTGGAAGAGGAGCTGACGGTTCACCTCTCTGTCCCTGGGGACACTA1
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Qy 1801	CCACTCCGCTCCCGTGTGTCCCCAATGGCTCTGCGTTGCTGCTCTCCAA
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Db 1861	CCTCCTTCTGGCCACTTACGCCCGTCCCCCTCGAGGCCCGGGCCCCC
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b 20	TGTTACCCTGCAGGGCTCACCGGGGGCAACACCTATGCTGTGCC
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000	TGTACCTGTCCCGGCCGCCTGCCTGCCCGCAGGGCCTATATGAGCTGATGCTTCGGTGCT 3	2y 2941 5b 2941
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2760 2760	CCGGAACCTCTATGCTGGGGACTATTACCGTGTGCA 	270
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2520 2520	ACCTCAACCAGTTCCTCAGTGCCCACCAGCTGGAGGACAAGGCAGCCGAGGGGGCCCCTG	y 24
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2340 2340	TCAAGATCTTACGGCCAGATGCCACCAAGAATGCCAGCTTCTCCTTGTTCTCCAGGAATG	22
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2160		Db 210

A42378 LOCUS LOCUS DEFINITION ACCESSION VERSION VERSION VERSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL COMMENT FEATURES	Qy 396 Qy 396	384	378 384	Qy 372 Db 372	Qy 366 Db 366	Qy 360 Db 360	Qy 354 Db 354	Qy 348 Db 348	Qy 342 Db 342	Qy 336 Db 336	Qy 330 Db 330	Qy 324 Db 324	. Db 318
A42378 3754 bp DNA PAT 06-MAR-1997 N A42378 1 GI:2297854  unidentified. unidentified. SM unidentified. 1 (bases I to 3754) S Gusterson, B.A., Crompton, M.R., Mitchell, P.J., Barker, K.T., Martindale, J.E., Page, M.J. and Spence, P. CELL GROWTH FACTOR RECEPTORS L Patent: WO 9502187-A 1 19-JAN-1995; CANCER RES INST (GB) Other publication AU 7081094 950206. Location/Qualifiers	1 GCACTAGGCAGGTAATAAAAGGTTGAGTTTTCCACAAAAAAAA	. w w		1 TAPATATITGGGATTGGGGGAAAGAGGAACGCCCATAGCCTTGGGGTTGGACATÇ.3	1 CCACTTCCCACTTGCAGTCTTGTAGCTAGAACTTCTCTAAGCCTATACGTTTCTGTGGAG 37	1 CTCCTCCATCACCTGAAACACTGGACCTGGACCTGGGGGTAGCCCGCCC	1 AGGAGAGGAAAATGTTTCCTTGTGCCTGCTCCTGTACTTGTCCTCAGCTTGGGCTTCTTC 3600	11 TCTCTCCCTGTCACACACTGGACCCCACTGGCTGAGAATCTGGGGGTGAGGAGGACAAGA 35	21 GAGCACCTGGGCCCCACTGGACAACACTGATTCCTGGAGAGGTGGCTGCGCCCCAGCTTC 34 	31 AGCCATCCCTTGGGGAAGGGTGGGGAGAATATAGGATAGACACTGGACATGGCCCATTG 3	11 TAGAAGCCCCTGTCGCCCACCCAGCTGGTCCTGTGGATGGGATCCTCTCCACCCTCCTCT 3	11 CTGATGCCCCTTCTCCCCCTTCCTGGACACACTCTCATGTCCCTTCCTT	81 CAGCCCATCACCTCTAATAGAGGCAGTGAGACTGCAGGTGGGCCTGGGCCCACCCA

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Db 3699 TCCCCTGCACTAGG
3775 GACATCTCTAC
Qy 3715 GIGGAGTAAATATIGG
Qy 3656 CA-CCCCCACTTCCCACTTGCAGTCTT
ω ω
3536 CAAGAAGGAGAC               3340 CAAGAAGGAGAC
347
417 ATTGGA(         220 ATTGGA(
μ ω
Qy 3297 TTCCTAGAAGCCCCTGTCGC
Qy 3237 GGAGCTGATGCC             Db 3040 GGAGCTGATGCC
Qy 3177 CCGACAGCCCATCACCTCTAATAGAGGCAGTGAGACTG
29
2864 AGGATGCACT
2804 GCTGGAGCCGG
998 GCTGGAGCCG
b 2744 AGGTGTACCTGTC

RESULT 3
HUMRTK
LOCUS
DEFINITION
ACCESSION
VERSION

HUMRTK 3738 bp mRNA PRI 27-SEP-1993 Homo sapiens receptor tyrosine kinase mRNA, complete cds. L11315 L11315.1 GI:403386

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Best Local Similarity

Matches 3716; Conserv
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                                               CCCTGGGCATGCAGGACCGGACCATCCCAGACAGTGACATCTCTGGTTCCAGCTCCTGGT
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1 (bases 1 to 3738)

Johnson, J.D., Edman, J.C. and Rutter, W.J.
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TNESSLELEPRGQQPVAKAEGSPTAILIGCLYAIILLIALMLWRLHWRRLLSKA
ERRYLEEELTVHLSVPGDTILINNRPGFREPPPYGEPRERGNPPHSAPCVPNGSALLL
SNPAYRLLLATYARPBRGDPPPTPAWAKPTNTQAYSGDYMEPEKPGAPLLPPPPQNSV
PHYARADIVTLQGVTGGNTYAWPALPPGAVGDPPRVDFPRSRLRFKEXLGEGOFGEV
HLCEVDSPQDLVSLDFFLNVRKGHPLLYAVKILKPDATKARNIDTLKEVKIMSRLKDP
NIIRLIGVCVQDDPLCMITDYNENGDLNGPLSNKQLEDKAAEGAPGDQQAAQFTISY
PMLLHVAAQIASGMRYLATLNFVHRDLATRNCLVGENFTIKIADFGMSRNLYAGDYYR
VQGRAVLPIRMAWECILMGKTTASDVWAFGVTVWEVLMLCRAQFFGQLTDEQVIEN
AGEFFRDQGRQVYLSRPPACPQGLYELMLRCWSRESEQRPPFSQLHRFLAEDALNTV"
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/db_xref-"taxop:9606"
/tlssue_type-"term placenta"
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                                                                                                                                             CCTATGACGGACATACCGTGGGCGGACTGCAGTATGGGGGTCTGGGCCAGCTGGCAGATG
                                                       ACTTCAGCAGCTTGGAGCTGGAGCCCAGAGGCCCAGCAGCCCGTGGCCAAGGCCGAGGGGA
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1140 961 1200 1021 1260 1081

TAGTTGGGGAAAATTTCACCATCAAAATCGCAGACTTTGGCATGA 270 	2581 CCCAGATCGCCTCCGGCATGCGCTATCTGGCCACACTCAACTTTGTACATCGGGACCTGG 2640	2521 GGGACGGGAGGCTGCGCAAGGGGCCCACCATCAGCTACCCAATGCTGCTGCATGTGGCAG 2580	2461 ACCTCAACCAGTTCCTCAGTGCCCACCAGCTGGAGGACAAGGCAGCCGAGGGGGCCCCTG 2520	2401 TGGGCGTGTGTGCAGGACGACCCCCTCTGCATGATTACTGACTACATGGAGAACGGCG 2460	2341 ATTTCCTGAAAGAGGTGAAGATCATGTCGAGGCTCAAGGACCCCAACATCATTCGGCTGC 2400	CCAGGAATG 2           CCAGGAATG 2	CGTAAGGGACACCCTTTGCTGGTAGCTG 2 	2161 AGAAGCTTGGCGAGGGCCAGTTTGGGGAGGGTGCACCTGTGTGAGGTCGACAGCCCTCAAG 2220	2101 GGGCAGTCGGGGATGGGCCCCCCAGAGTGGATTTCCCTCGATCTCGACTCCGCTTCAAGG 2160	2041 TIGTTACCCTGCAGGGCGTCACCGGGGGCAACACCTATGCTGTGCCTGCACTGCCCCCAG 2100	1981 GCGCCCGCCTTCTGCCCCCACCTCCCCAGAACAGCGTCCCCCATTATGCCGAGGCTGACA 2040	AAGCCAG 19         AAGCCAG 18	<b>≥</b> − ≥	1801 CCCACTCCGCTCCCTGTGTCCCCCAATGGCTCTGCGTTGCTGCTCCCAATCCAATCCAGCCTACC 1860	1741 ACCGCCCAGGTCCTAGAGAGCCACCCCCGTACCAGGAGCCCCGGCCTCGTGGGAATCCGC 1800	1681 TGTTGGAAGAGGAGCTGACGGTTCACCTCTCTGTCCCTGGGGACACTATCCTCATCAACA 1740 	1382 GCCCGACCGCCATCCTCATCGGCTGCCTGGTGGCCATCATCCTGCTGCTGCTGCTCATCA 1441 1621 TTGCCCTCATGCTCTGGCGGCTGCACTGGCGCAGGCTCCTCAGCAAGGCTGAACGGAGGG 1680
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Q <b>y</b> Db	д 9	Ωу	ф	DP OA.	Оy	d dy	Db Qy	Оy	ОУ	D Qy	Оy	Db Qy	Qy Db	Db Qy	9d 64	₽ 4	Qу
3718 GAGTAAATATTGGGATTGGGGGGAAAAGAGGGAGCAACGGCCCATAGCCTTGGGGTTGGAC 	3658 CCCCACTTCCCACTTGCAGTCTTGTAGCTAGAACTTCTCTAAGCCTATACGTTTCTGTG	1599 TCCTC [     1400 TCCTC	39 GAAGG       40 GAAGG	3479 TCTCTCTCCCTGTCACACACTGGACCCCACTGGCTGAGAATCTGGGGGTGAGAGAGGACAA	20 GGAGC       20 GGAGC	3360 TAGCCATCCCTTGGGGAAGGGTGGGGAGAATATATAGGATAGACACTGGACATGGCCCATT	3300 CTAGAAGCCCCTGTCGCCCACCCAGCTGGTCCTGTGGATGGGATCCTCTCCACCCTCCTC	3240 GCTGATGCCCCTTCTCCCCCTTCCTGGACACACTCTCATGTCCCCTTCCTGTTCTTCCTTC	3180 ACAGCCCATCACCTCTAATAGAGGCAGTGAGACTGCAGGTGGGCTGGGCCCACCCA	3121 GGGAAGCCAGTGACACTAAAACAAGAGGACACAATGGCACCTCTG-CCCTTCCCCTCCCGG	3061 ATGCACTCAACACGGTGTGAATCACACATCCAGCTGCCCCTCCCT	3001 GGAGCCGGGAGTCTGAGCAGCGACCACCCTTTTCCCAGCTGCATCGGTTCCTGGCAGAGG	2941 TGTACCTGTCCCGGCCGCCTGCCCTGCCCGCAGGGCCTATATGAGCTGATGCTTCGGTGCT	2881 TCACCGACGAGCAGGTCATCGAGAACGCGGGGAGTTCTTCCGGGACCAGGGCCGGCAGG	821 CCTT      624 CCTT	64 GCTGG	701 GCCGG

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                                                                                                                                                                                                                                                                                                                                                                            Clone distribution: MGC clone distribution information can through the I.M.A.G.E. Consortium/LLNL at: http://lmage.lln Series: IRAL Plate: 1 Row: o Column: 24
This clone was selected for full length sequencing because passed the following selection criteria: matched mRNA g1: 4
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Web site; http://www.nisc.nih.gov/
Contact:, nisc_mgc@nbgrl.nih.gov
Shevchenkb,Y., Wetherby.K.D., Beckstrom-Sternberg,S.M.,
Benjamin,B., Blakesley.R.W., Bouffard,G.G., Brinkley.C., Brooks,S.,
Benjamin,B., Blakesley.R.W., Bouffard,G.G., Brinkley.C., Legaspi,R.,
Dietrich,N.L*, Guan,X., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R.,
Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tiongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
Zhang,L.-H. and Green,E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA Sequencing by: Nation Sequencing Center (NISC), Gaithersburg, Maryland,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Contact: ucc help desk
Cmail: cgapbs-r@mail.nih.gov
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MGC:8681 IMAGE:2964574,
BC008716
BC008716.1 GI:14250529
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Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
Sequencing by: National Institutes of Health Intramural
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/lab_host="DH10B-R"
                                                                                                                                                                                                                                                                   /db_xref="taxon:9606"
/clone="MGC:8681 IMAGE:2964574"
                                                                                                                                                                           note-
                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/db_xref="LocusID:780"
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VLMLCRAQPFGQLTBELADALNTV"
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Q В δõ 밁 밁 Š 밁 Ş 밁 QY 밁 Š 밁 δ 밁 δÃ 밁 Š В δÃ 밁 S B δÃ B δÃ Query Match Best Local S Matches 3792 744 722 684 662 624 504 564 482 444 422 384 362 324 302 264 242 204 144 182 122 84 62 Local Similarity nes 3792; Conserv 24 GGCCCTGAGCGGGACTGCAGCCAGCCTGGGGGCGCCAGCTTTGGAGGCCCCCGACAGC N CCGCTGGGGTCAGGAGGTGATCTCAGGCAATGAGGACCCTGAGGGAGTGGTGCTGAAGGA CTCCCGGAGCTACCGGCTTACTCCCGGGATGGTCGCCGCTGGATGGGCTGGAAGGA CCCCGCAGGGTCGGTGTTTCCCAAGGAGGAGGAGTACTTGCAGGTGGATCTACAACGACT GGTGGCAAGTGGAGATGCTGACATGAAGGGACATTTTGATCCTGCCAAGTGCCGCTATGC CCGCTGGGGTCAGGAGGTGATCTCAGGCAATGAGGACCCTGAGGGAGTGGTGCTGAAGGA CTCCCGGAGCTACCGGCTTACTCCCGGGATGGTCGCCGCTGGATGGGCTGGAAGGA GCACCTGGTGGCTCTGGTGGGCACCCCAGGGACGGCATGCCGGGGGGCCTGGGCAAGGAGTT CCACCTGGTGGCTCTGGTGGGCACCCAGGGACGGCATGCCGGGGGCCTGGGCAAGGAGTT AGATTCCACTGCCGCCACCAGCAGCAGGTTGGAGAGGCAGTGACGGGGATGGGGCCTGGTG CCTGGGCATGCAGGACCGGACCATCCCAGACAGTGACATCTCTGCTTCCAGCTCCTGGTC CCTGGGCATGCAGGACCGGACCATCCCAGACAGTGACATCTCTGCTTCCAGCTCCTGGTC GCCCGAGGGATCAGGAGCTATGGGACCAGAGGCCCTGTCATCTTTACTGCTGCTGCTCTT GCCCGAGGGATCAGGAGCTATGGGACCAGAGGCCCTGTCATCTTTACTGCTGCTGCTCTT CACTGAGCGATGGGGTTGGACTTGAAGGAATGCCAAGAGATGCTGCCCCCACCCCCTTAG CACTGAGCGATGGGGTTGGACTTGAAGGAATGCCAAGAGATGCTGCCCCCAACCCCCTTAG TGCTCTCGGGAGCCGCCTCCCGACCCCGAGCCCCGCGGCGCCTCCCGGCTCCCGGCTCC TGCTCTCGGGAGCCGCCTCCCGACACCCGAGCCCCGGCGGGGGCTCCCGGCTCCCGGCTCC GGGCCTGAGACTGGGGTGACTGGGACCTAAGAGAATCCTGAGCTGGAGGCCCCCGGACAGC GGTGGCAAGTGGAGATGCTGACATGAAGGGACATTTTGATCCTGCCAAGTGCCGCTATGC Conservative 91.2%; 0; Score 3613.4; Pred. No. 0; Mismatches DB 31; 9; Indels 130; Length Gaps 803 743 721 683 661 623 601 541 481 443 563 503 421 383 361 301 181 83 61 263 241 203

804 CETTIGAGCCCCCCATGGTTGCCCGACTGGTTCACCCGGGCTCACCGGGTCAT \$41 804 CETTIGAGCCCCCCCATGGTTGCCCGACTGGTTCACCCGGGTCATCGGGTCAT \$43 824 GAGTGTTGTCTCGCGGGTAAACCCTCATGGTTCATGGGGCTAGCCGGGGTTACCGGGGTAT \$63 824 GAGTGTCTCTCTCGCGGGTAAACCTCTATGGGTCACCCGGGTTGCCCGGGGTATACGGGCTATGGGCACCCCCTTGTGTTTCCGCGGGTAAAACCTCATGGGTAAACCTCTGCTTCATGGGCCAACCACTGAAACCTCATGGGTAAACCTCTGGGGAAAACCTCATGGGAAAACCTCATGGAACCACTCCACCACCACCACCACCACCACCACCACCACCA
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3001	? GTACCTGTCCCGGCCGCCTGCCCTGCCCGCAGGGCCTATATGAGCTGATGCTTCGGTGCTG	2942	Qy
2834	CACCGACGAGCAGGTCATCGAGAACGCGGGGGAGTTCTTCCGGGACCAGGGCCGGCAGGT	2775	ДĎ
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2774	CTTTGGTGTGACCCTGTGGGAGGTGCTGATGCTCTGTAGGGCCCAGCCCTTTGGGCAGCT	2715	фd
2881	CTTTGGTGTGACCCTGTGGGAGGTGCTGATGCTCTGTAGGGCCCAGCCCTTTGGGCA	2822	о́у
7		2655	Db
2821	TGGATGGCCTGGGAGTGCATCCTCATGGGGAAGTTCACGACTGCGAGTGACGTGTG	276	νο
2654	5 COGGAACCTCTATGCTGGGGACTATTACCGTGTGCAGGCCGGGCAGTGCTGCCCATCCG	259	Дb
2761	CGGAACCTCTATGCTGGGGACTATTACCGTGTGCAGGGCCGGGCAGTGCTGCCCATCC	270:	Qy
<b>5</b> 1		53	Db -
70	ACGCGGAACTGCCTAGTTGGGGAAAATTTCACCATCAAAATCGCAGACTTTGGCATGA	64	γo
υ ω		47	₽₽
2641	CAGATCGCCTCCGGCATGCGCTATCTGGCCACACTCAACTTTGTACATCGGGACCTGG	258	Qy
2474	5 GGACGGCAGGCTGCGCAGGGGCCCACCATCAGCTACCCAATGCTGCATGTGCATGTGCAGC	241	Db
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4	5 CCTCAACCAGTTCCTCAGTGCCCACCAGCTGGAGGACAAGGCAGCCGAGGGGGCCCCTGG	235	_ bb
2521	CTCAACCAGTTCCTCAGTGCCCACCAGCTGGAGGACAAGGCAGCCGAGGGGGCCCC	246	Оу
2354	5 GGGCGTGTGTGTGGAGGACGACCCCCTCTGCATGATTACTGACTACATGGAGAACGGCGA	229	дb
2461	GGCGTGTGTGTGCAGGACGACCCCCTCTGCATGATTACTGACTACATGGAGAACGGC	240	Qy
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2401	TTCCTGAAAGAGGTGAAGATCATGTCGAGGCTCAAGGACCCCCAACATCATTCGGCTG	234	Qy
N	CARGATCTTACGGCCAGATGCCACCAAGAATGCCAGGAATGA	219	Дb
2341	AAGATCTTACGGCCAGATGCCACCAAGAATGCCAGCTTCTCCTTGTTCTCCAGGAATG	228	Qy
-	3 TOTGGTTAGTCTTGATTTCCCCCTTAATGTGCGTAAGGGACACCCTTTGCTGGTAGCTGT	213	מם
2281	2 TCTGGTCAGTCTTGATTTCCCCCCTTAATGTGCGTAAGGGACACCCTTTGCTGGTAGCTG	222	Λō
$\vdash$	3 GAAGCTTGGCGAGGCCAGTTTGGGGAGGTCCACCTGTGTGAGGTCGACAGCCCTCAAGA	207	מם
2221	2 GAAGCTTGGCGAGGGCCAGTTTGGGGAGGTGCACCTGTGTGAGGTCGACAGCCCTCAAG	216	уо
2072		N	da da
7	2 GGCAGTCGGGGATGGGCCCCCCAGAGTGGATTTCCCCTCGATCTCGACTCCGCTTTCAAGG	210	οy
2012		195	dd dd
2101	2 TGTTACCCTGCAGGGGGTCACCGGGGGCAACACCTATGCTGTGCCTGCACTGCCCCCAG	204	VΩ
1952		189	Db
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1892	55	185	Db.
æ	2 GGCCAAACCCACCAACACCCAGGCCTACAGTGGGGACTATATGGAGCCTGAGAAGCCAG	192	γQ
1854	55	185	Di-
1921	2 CCTCCTTCTGGCCACTTACGCCCGTCCCCCTCGAGGCCCGGGCCCCCCACACCCCGCCTG	186	- Υο

protein kinase

cells

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RESULT 5
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Identification and chromosomal mapping of a receptor tyrosine kinase with a putative phospholipid binding sequence in its
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/dev_stage="fetus"
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	1395	GCGGCCGTGTGCCTTTCTGCAGTGCCGCTTCCTCTTTGCGGGGCCCTGGTTA	1336	Qy
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	1275	GCGGGGTGGAATGTCGCTTCCGGCGTGGCCCTGCCATGGCCTGGGAGGGGAAG	1216	Qy
	976	CCTTCCAGGCTATGCAGGTCCACTGTAACAACATGCACACGCTGGGAGCCCGTCTGCCTG CCTTCCAGGCTATGCAGGTCCACTGTAACAACATGCACACGCTGGGAGCCCGTCTGCCTG	91	Db 4
,	16	GCAACCACAGCTTCTCCAGTGGCTATGTGGAGATTGGAGTTTGACCGG	1156	<b>8</b> B
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	796	CCGTGGGCGGACTGCAGTATGGGGGTCTGGGC	737	Db
	1035	CCGTGGGCGGACTGCAGTATGGGGGTCTGGGCCAGCTGGCAGATGGTGTGGTGG	976	Qy
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	915	6 GGGTAGAGCTCTATGGCTGCCTCTGGAGGGATGGACTCCTGTCTTACACCCCCCCTGTGG	856 617	B 2
	$\vdash$	TGGTTGCCCGACTGGTTCGCTTCTACCCCCGGGCTGACCGGGTCATGAGCGTCTGTCT	557	Db
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	ဖ	GGCTGCGTTACTCCCGGGATGGTCGCCGCTGGATGGGCTGGAAGGACCGCTGGGC	ىت تى	);   
	735	6 GGCTGCGTTACTCCCGGGATGGTCGCCGCTGGATGGGCTGGAAGGACCGCTGGGGTCAGG	7	Q V
-	675 436	6 TGGTGGCACCCAGGGACGCATGCCGGGGGCCTGGGCAAGGAGTTCTCCCCGGAGCTACC	616 377	Db Qy
	376	7 TGTTTCCCAAGGAGGAGGAGTACTTGCAGGTGGATCTACAACGACTGCACCTGGTGGCTC	317	Дb
	615	TGTTTCCCAAGGAGGAGGAGTACTTGCAGGTGGATCTACAACGACTCCACCTGGT	556	Qy
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	л	CCGCCACAGCAGGTTGGAGAGCAGTGACGGGGATGGGGCCTGGTGCCCCCACAGGTGCTCC	9	ο <sub>γ</sub> -
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TGCC	6 GCCACAACCTAGGGGCAACCTGGGGGACCCCAGAGCCCGGGCTGTCTCAGT	Qy 1270 Db 103:
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GGCT	6 GCAACCACAGCTTCTCCAGTGGCTATGTGGAGATGGAGTTTGAGTTTGACCG	Qy 109 Db 85
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Ricerca sul, Cancro, Lab Differenziamento
Benedetto XV, 10 - 16132 Genova, ITALY
Location/Qualifiers
1 3554
                                                                                                        Di Marco,E., Cutuli,N., Guerra,L., Cancedda,R. and De Luca,M. Molecular cloning of trKE, a novel trk-related putative tyrosine kinase receptor isolated from normal human keratinocytes and widely expressed by normal human tissues
J. Biol. Chem. 268 (32), 24290-24295 (1993)
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/organism="Homo sapiens"
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SDISASSWBSSTAARHSRLESSDGDGAMCPAGSVFPKEERYLQVDLORHHLVALVGT
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TCTTCCGGGACCAGGGCCGGCAGGTGTACCTGTCCCGGCCGCCTGCCT	2917 2513	Qy Db	
GTAGGGCCCAGCCCTTTGGGCAGCTCACCGACGAGCAGGTCATCGAGAACGCGGGGAG 	2857 2453	Qy Db	
TCACGACTGCGAGTGACGTGTGGGCCTTTGGTGTGACCCTGTGGGAGGTGCTGATGCTCT	2797 2393	Db Qy	
AGGCCGGGCAGTGCTGCCCATCCGCTGGATGGCCTGGGAGTGCATCCTCATGGGGAAG	3 7	Db Qy	
TCAAAATCGCAGACTTTGGCATGAGCCGGAACCTCTATGCTGGGGACTATTACCGTGTGC 		Qq da	
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CCCAATGCTGCTG              CCCAATGCTGCTG	115	da VQ	
AAGGCAGCCGAGGGGGCCCC                 AAGGCAGCCGAGGGGGCCCC	4 0	da VQ	
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AGGACCCAACATCATTCGGCTGCTGGGCGTGTGTGCAGGACGACCCCCTCTGCATGA	ω ω	da Yo	
GCTTCTCCTTG	92	da Qy	
AGGGACA 	87	Qy Db	
TGTTGAGGTGACACCCTCAAGATCTGGTCAGTCTTGATTTCCCCCTTAATGTGCGT 	2197 1811	Db Qy	
CGATCTCGACTCCGCTTCAAGGAGAAA                   CGATCTCGACTCCGCTTCAAGGAGAAG	17	Фр	
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Identification of two isoforms of the
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3129 2872	CACGGTGTGAATCACACAT                 CACGGTGTGAATCACACAT	307 281	B 5
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3009 2752	CCCGGCCGCCTGCCTGCCGCAGGGCCTATATGAGCTGATGCTTCGGTGCTGGAGCCGGG		유
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2829 2572	CCTGGGAGTGCATCCT(	NN	β Q
2769 2512	TCTATGCTGGGGACTATTACCGTGTGCAGGGCCGGGCAGTGCTGCCCATCCGCTGGATGG 	iy 2710 ib 2453	β δ
2709 2452	ACTGCCTAGTTGGGGAAAATTTCACCATCAAAATCGCAGACTTTGGCATGAGCCGGAACC		유 성
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2169 1930	0 GGGATGGGCCCCCCAGAGTGGATTTCCCTCGATCTCGACTCCGCTTCAAGGAGAAGCTTG 	211 187	п о

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Submitted (22-SEP-1997) Brookdale Center for Developmental and
Molecular Biology, Mount Sinal School of Medicine, 1 Gustave Levy
Place, New York, NY 10029, USA
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note="encodes tyrosine kinase domain" 1095 c 1075 g 765 t
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/protein_id="AAB81866.1"
/db_xref="GI:2564940"
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/cell_type="CCE embryonic stem cells,
differentiation-induced"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /strain="129"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60.7%;
82.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 2405.6; DB 10; Length 3659; Pred. No. 0; O; Mismatches 534; Indels 127; Gaps
                                                                                      296
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QY 2731 GTGTGCAGGGCCGGGCAGTGCTGCCC	y 2671 TCACCATCAAAATCGCAGACTTTGGC	2611 CCACACTCAACTTTGTACAT	CATGTO	2491 TGGAGGACAAGGCAGCCGAGGGGG                  2247 TGGAGAACAAGGCCACTCAGGGGCC	21	2371 GGCTCAAGGACCCCAACA                      2127 GGCTGAAGGACCCCAAACA	2311 ATGCCAGCTTCTCCTTGTTCTCCAG	2251 TGCGTAAGGGACACCCTTTGCTGGT	2191 TGCACCTGTGTGAGGTCGACAGCCC	2131 ATTTCCCTCGATCTCGACTCCGCTT	2071 ACACCTATGCTGTGCCTGCACTGCC	2011 ACAGCGTCCCCCATTATGCCGAGGC	1951 GTGGGGACTATATGGAGCCTGAGAA 	1891 CTCGAGGCCCGGGCCCCCCACACC 	1831 CIGCGTIGCIGCICCA	1771 ACCAGGAGCCCCGGCCTCGTGGGAA	1711 CTGTCCCTGGGGACAC	Db 1425 GCCGGCTGCTCAGCAAGGCTGACAG
ATCCGCTGGATGGCCTGGGAGTGCATCCTCATGG 2790	GAGCCGGAACCTCT             GAGCCGGAATCTCT	CTGGCCAC          CTGGCCAC	GCAGCCCAGATCGCCTCCGGCA 	CCCTGGGGACGGGCAGGCTGCGCAGGGGCCCACCA 255	GGCGACCTCAACCAGTTCCTCAGTGCCCACCAGC 249 	CTGCTGGGCGI	3AATGATTTCCTGAAAGAGGTGAAGATCATGTCGA 237               AATGATTTCCTGAAGGAGGTAAAGATCATGTCAC 212	GCTGTCAAGATCTTAC	TCAAGATCTGGTCAGTCTTGATTTCCCCCTTAATG 225  -	CAAGGAGAAGCTTGGCGAGGGCCAGTTTGGGGAGG 219 	CCCAGGGCAGTCGGGGATGGGCCCCCCAGAGTGG 213 	TGACATTGTTACCCTGCAGGGCGTCACCGGGGGCA 207	GCCAGGGGCCCGCTTCTGCCCCACCTCCCCAGA 201 	CGCCTGGGCCAAACCCACCAACACCCAGGCCTACA 195 	CTACCGCCTCCTTCTGGCCACTTACGCCCGTCCCC 189 	FCCGCCCACTCCGCTCCCTGTGTCCCCAATGGCT 183	CAACAACCGCCCAG              CAACAACCGCCCAG	CCGCGTGTTGGAGGAGGAGCTGACGGTTCACCTTT 148

10 GACTGCAGGTGGGCTGGGCCCACCCAGGAGCTGATGC	
CCCAGGGAGCAGGA 	CCCGAGGAGCAGATACACCATTCCCCTTCCCCGAGGAGCAGATACACACAC
GA ACIOCA	GARGECECTTCCCCTT GATACACACACT GATACACACACT GAAGCCCCTGTCGCCAC CI

362 573 302

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AUTHORS
TITLE
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VERSION
KEYWORDS
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ORIGIN
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                                                                                                                                           Query Match

Best Local Similarity 81.3

Matches 2981; Conservative
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MEDLINE
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                                                               AGAGATGCTGCCCCCACCCCCTTAGGCCCGAGGGATCAGGAGCTATGGGACCAGAGGCCC 336
                          TGTCATCTTTACTGCTGCTG···-CTCTTGGTGGCAAGTGGAGATGCTGACATGAAGGGAC
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L57509.1 GI:116
receptor kinase.
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Mus mu
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae;
1 (bases 1 to 3674)
Perez,J.L., Jing,S.Q. and Wong,T.W.
Identification of two isoforms of the Cak receptor k:
coexpressed in breast tumor cell lines
Oncogene 12 (7), 1469-1477 (1996)
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AISVPLGGHVGRFLFAGPWLLESEISFISDVVNUSSDTFPPAPWAPPGPPPTN
FSSLELEPRGOOPVAKAEGSPTAILIGCLVAIILLLLIIALMERLHWRRLLSKAER
RVLEEELTVHLSVPGDTILINURPGPREPPYOEPRGTPPHSAPCVPNGSALLLSN
PAYRLLLATVARPPRGPPPPAWAKPTNTOACSGDYMBPEKPGAPLLPPPONSVPH
YAEADIVTLOGVTGGNTYAVPALPPGAVGDGPPRVDFPRSALRFKEKLGEGGGEVHL
CEVEDPQDLVSSDFPISYKGHPLLVAVWILRPDATKNARNDFLKEVKINSRYLKDPNI
IRLIGVCVQDDPLCMITDYMENGDLNGFLSARQLENKATQGLSGDTESDQGFTISYPM
LLHVGAQIASGMRYLAGIAFTYHADLATRKLVGNETIKLADFGNSRNLYAGDYYRVO
GRAVLPIRWAWGCILMGKFTTASDVARFGVTLWEVLMLCRSOPFGQLTDEOVIENAG
EFFRDQGRQVYLSRPPACPQTLYELMLRCWSREDEQRPPPAQLHRELADDALNTV*
21 a 1090 c 1079 g 784 t°
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /product-"receptor kinase"
/protein_id="AAB05209.1"
/protein_id="AAB05209.1"
/db_xref="GI:1161063"
/db_xref="G
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107. .2842
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/strain="C57BL"
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81.3%;
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      Score 2378.4;
Pred. No. 0;
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complete
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GCTTTCTGCAGTGCCGCTTCCTCTTTGCGGGGCCCTGGTTACTCTTCAGCGAAATCTCCCT 1410
                                                                                                                                                                                       GCAACCTGGGGGACCCCAGAGCCCGGGCTGTCTCAGTGCCCCTTGGCGGCCCGTGTGGCTC
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                                                                                GCTTTCTGCAGTGCAGATTCCTCTTTGCAGGTCCTTGGTTACTCTTCAGTGAGATCTCTT
                                                                                                                                                                   GCAGCCTTGGAGACCCCCAGAGCCCGGGGCCATCTCAGTGCCCCTGGGTGGCCACGTGGGCC
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31	TGGAGAACAAGGCCACTCAGGGGCTCTCTGGGGACACAGAGTCTGACCAGGGGCCCACAA	25	밁
5	TGGAGGACAAGGCAGCCGAGGGGGCCCCTGGGGACGGGCAGGCTGCCCAGGGGCCCACCA	2491	QΥ
2490 . 2252	GUATGATTACTGACTACATGGAGAACGGCGACCTCAACCAGTTCCTCAGTGCCCACCAGC	2193	8 8
2430 2192	GGCTGAAGGACCCAACATCATTCGGCTGCTGGGCGTGTGTGCAGGACGACCCCCCTCT	13	B 5
2132	ATGCCAGGAATGATTTCCTGAAGGAGGTAAAGATCATGTCAC	209	}
27	TGCACAAGGGACACCCCTTGCTGGTAGCAGTGAAGATCCTCCGGCCAGATGCCAACAAAA	2031	ර් දි
2310	TGCGTAAGGGACACCCTTTGCTGGTAGCTGTCAAGATCTTACGGCCAGATGCCACCAAGA	25	8
2250 2030	1 TGCACCTGTGTGAGGTCGACAGCCCTCAAGATCTGGTCAGTCTTGATTTCCCCCTTAATG	197	B 5
1970	ATTCCCCCGGTCACGACTCCGCTTCAAGGAGAAGCTTGGCGAGGGCCAATTTGGGGAGG	91	문
2190	TTCCCTCGATCTCGACTCCGCTTCAAGGAGAAGCTTGGCGAGGGCCAGTTTGGGGAG	213	Qy
2130 1910	ACACCTATGCTGTGCCTGCACTGCCCCCAGGGGCAGTCGGGGATGGGCCCCCCAGAGTGG	185	B 8
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.79	TGGGGACTATATGGAGCCCGAGAAGGCGGGTGCCCCCGCTTTTTTTT	173 201	§ B
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tyrosine kinase receptor.
Rattus norvegicus strain Sprague-Dawley DNA.
Rattus norvegicus
Euthus norve
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the developing brain Proc. Natl. Acad. Sci. U.S.A.
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                                                                                       /translation="MGTGTLSSLLLLLLLVTIGDADMKGHFDPAKCRYALGMODRTIP
DSDISVSSWSDSTARHSRLESSDGDGAWCPAGPYEPREEEYLQVDLRRLHIVALVG
TOGRHAGGLGAGEFSRSYRLRYSDGGRAWMWKDGFDYEPREEEYLGVDLRRCHIVALVG
TOGRHAGGLGAGEFSRSYRLRYSDGGRAWMWKDGRWQDEVISGNEDPGGFVYLKDLGPPM
VARLVRFYPRADRVMSVCLRVELYGCLWRDGLLSYTAPVGQTMQLSEMYYLNDSTYDG
VTAGGLGYGGLGOLADGVVGLDDFROSQELRVWPGYDYVGWSHRSFPSGYVENEFEFD
RLRSFQTMQVHCNNMHTLGARLPGGVECRFKRGPAMANEGGEPVHHALGGSLGDFRARA
ISVPLGGHVGRFLQCRFLFAGFWLLSSEISFISDVYNDSSDTFPDAFWWPPGGPPTNF
SSLELEPRGOQPVARAEGSSTAILIGCLVAIILLLLIIIALMLWRLHWRRLLSKAERR
VLEEEĽTVHLSVPGDTILINNRPGPREPPPYQEPRPGTPTHSAFCVPNGSALLLSNP
AYRLLLATYARPPRGPGPPTPAWAKPTNTQACSGDYMEPEKPGAPLLPPPPQNSVPHY
AEADIVTLQGVTGGNTYAVPALPPGAVGDGPPRVDFPRSRLRFKEKLGEGQFGEVHLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /gene-
178. .
                                                                                                                                                                                                                                                                                                                                               /product="tyrosine kinase receptor"
/protein_id="AAA21089.1"
/db_xref="GI:432481"
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178. .2910
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178. .2910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Rattus norvegicus"
/strain="Sprague-Dawley"
/db_xref="taxon:10116"
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                       TGAGGCCGTGTACCTCAACGACTCCACCTATGACGGACATACCGTGGGCGGACTGCAGTA 994
                                                                    CCTCTGGAGGGATGGACTCCTGTCTTACACCGCCCCTGTGGGGCAGACAATGTATTTATC
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RLLGVCVQDDPLCMITDYMENGDLNQFLSAHQLENKYNGGLPGDRESDQGPTISVPML
LHVGAQIASGMRYLATLMEFVHRDLATTRNCLVGENFTIKIADFGMSRNLTAGDYYRXQG
RAVLPIRMAMPCILMGKFTTASDVMAFGVTLMEVLMLCRSQPFGQLTDEQVIENAGE
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Qy 3095 Db 2925 Qy 3154		Db 2745 Qy 2975 Db 2805	2 2 2 8	Qy 273  Db 256  Qy 279  Db 262	Qy 2675 Db 2505	Qy 261 Db 244	Qy 25 Db 23	Qy 249 Db 232	Qy 243 Db 226	Qy 23 Db 23	Qy 231 Db 216	Qy 2: Db 2:	Оу 2 Db 2	Qy 21 Db 19	Db 1
35 TGCCC-CTCCCTCAGGGAGTGATCCAGGGAAGCCAGTGACACTAAAACAAGAGGACACA 3153	CCAGCTGCATCGGTTCCTGGCAGAGGATGCACTCAACACAGGTGTGAATCACACATCCAGC		CTGTAG	S GCAGGGCCGGGCAGTGCTGCCCATCCGCTGGATGGCCTGGAGTGCATCCTCATGGGAAA		615 ACTCAACTITGTACATCGGGACCTGGCCACGCGGAACTGCCTAGTTGGGGAAAATTTCAC 2674 	555 CTACCCAATGCTGCATGTGGCAGCCCAGATCGCCTCCGGCATGCGCTATCTGGCCAC 2614	95 GGACAAGGCAGCCGAGGGGGCCCCTGGGGACGGGCAGGCTGCGCAGCGGCCCACCATCAG 2554	35 GATTACTGACTACATGGAGAACGGCGACCTCAACCAGTTCCTCAGTGCCCACCAGCTGGA 2494 	375 CAAGGACCCAACATCATTCGGCTGCTGGGCGTGTGTGTGCAGGACCCCCCTCTGCAT 2434 	315 CAGCTTCTCCTTGTTCTCCAGGAATGATTTCCTGAAAGAGGTGAAGATCATGTCGAGGCT 2374	2255 TAAGGGACACCCTTTGCTGGTAGCTGTCAAGATCTTACGGCCAGATGCCCACCAAGAATGC 2314	2195 CCTGTGTGAGGTCGACAGCCCTCAAGATCTGGTCAGTCTTGATTTCCCCCCTTAATGTGCG 2254 	135 CCCTCGATCTCGACTCCGCTTCAAGGAGAAGCTTGGGGAGGGCCAGTTTGGGGAGGTGCA 2194 	

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AAAAGTTGAGTTTT 3712
                                                                                            GGGGTAGCCCC-----GCCCCAGCCCTCAGTCACCCCCACTTCCCACTTGCAGTCTT 3681
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